In the claims

Please amend the claims as follows:

1. (currently amended) A Drug release system~~,~~ comprising a shape memory material (SMP-material) and at least one drug.

2. (currently amended) The Drug release system according to claim 1, wherein the SMP-material has one or more shapes in memory.

3. (currently amended) The Drug release system according to ~~any of the preceding claims~~ claim 1, wherein the SMP-material is ~~biostable or~~ biodegradable.

4. (currently amended) The Drug release system according to ~~any of the preceding claims~~ claim 1, wherein the shape memory effect is used ~~for the variation of~~ to vary the drug release rate.

5. (currently amended) The Drug release system according to ~~any of the preceding claims~~ claim 1, wherein the ~~shape memory effect is employed for the minimal invasive implantation of~~ a drug release system is a minimally invasive implantable device.

6. (currently amended) The Drug release system according to ~~any of the preceding claims~~ claim 1, wherein the shape memory effect is triggered by a change in temperature, light, or a combination thereof.

7. (currently amended) The Drug release system of ~~any of the preceding claims~~ claim 1, wherein the drug release system ~~is~~ comprises a matrix system, wherein ~~said~~ the at least one drug is dispersed within the matrix.

8. (original) Drug release system according to claim 7 , wherein the drug release system displays a change of the drug release rate after triggering of the shape memory effect.

9. (currently amended) The Drug release system according to ~~any of claims~~ claim 7 ~~or 8~~, wherein the SMP-material comprises units~~,~~ derived from monomers selected from the group consisting of caprolactone, lactide, glycolide and dioxanone.

10. (currently amended) The Drug release ~~systems~~ system according to ~~any of claims~~ claim 7 ~~to 10~~, wherein the drug release system comprises a coating, for modification of the release properties ~~and/~~or tissue compatability.

11. (currently amended) The Drug release system according to claim 7, wherein the drug release system is ~~present in~~ a laminate ~~form,~~ comprising at least one drug containing film made from a SMP-material~~, wherein this film is~~ laminated on both surfaces with films not containing a drug.

12. (currently amended) The Drug release system according to ~~any of claims~~ claim 1 ~~to 3~~, wherein the drug release system comprises a reservoir of drug and a coating ~~and/~~or membrane made from a SMP-material.

13. (original) Drug release system according to claim 12, wherein the SMP-material, after triggering of the shape memory effect, controls the rate of release of the drug.

14. (currently amended) The Drug release system according to ~~any of claims~~ claim 1 ~~to 3~~, wherein the drug release system comprises a reservoir for the drug made from a SMP-material, and a coating ~~and/~~or membrane.

15. (currently amended) The Drug release system according to claim 14, wherein the shape memory effect ~~is employed for inducing~~ induces a change in shape of the reservoir, leading to a variation of the permeability of the coating ~~and/~~or membrane with respect to the drug.

16. (currently amended) The Drug release system according to ~~any of claims~~ claim 1 ~~to 3~~, wherein the hydrolytic degradation of the shape memory material controls the drug release.

17. (cancelled).

18. (currently amended) The Drug release system according to ~~any of the preceding claims~~ claim 1, wherein the drug release system is provided in the form of a coating on an implant.

19. (currently amended) The Drug release system according to ~~any of the preceding claims~~ claim 1 wherein the drug release system is present in the form selected from the group consisting of nano-particles, micro-particles, films, threads, and compositions for transdermal drug administration.

20. (currently amended) Method for preparing a drug release system ~~according to any of the preceding claims~~ comprising a shape memory material (SMP-material) and at least one drug, comprising ~~the dissolution of~~ dissolving a drug in a suitable solvent, introducing a shape memory ~~networks~~ network into the solution, ~~and~~ swelling ~~of~~ the network in the presence of the drug solution and withdrawing the swollen network from the solution.

21. (currently amended) The Method for the preparation of a drug release system according to ~~any of the preceding claims~~ claim 20, comprising ~~the~~ crosslinking ~~of~~ prepolymers in the presence of a drug.

22. (currently amended) The Method according to claim 21, wherein the drug is dissolved or dispersed in the mixture to be crosslinked.

23. (cancelled).